Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/14/2020 09:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125808	0	2.49	125865	2.42
Blue	F	SSC	125000	124937	-1	2.57	125510	2.53
Blue	E	FITC	15892	15486	-3	3.08	337	21.18
Blue	D	PE	29999	29286	-3	2.19	638	15.48
Blue	B	PerCP-Cy5-5	43732	43642	-1	3.89	1169	21.39
Blue	A	PE-Cy7	30845	30839	-1	6.41	579	43.14
Red	C	APC	46112	45242	-2	2.48	1594	12.18
Red	A	APC-Cy7	30458	29928	-2	2.42	790	11.83
Violet	B	V450	7918	7537	-5	4.10	431	12.98
Violet	A	V500	32171	30826	-5	3.78	724	10.58

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17296	11.16	641	20	N/A	N/A	Pass
Blue	F	SSC	57347	1.74	579	20	N/A	N/A	Pass
Blue	E	FITC	62	67.39	553	10	0.0181	167	Pass
Blue	D	PE	134	51.50	559	11	0.1445	260	Pass
Blue	B	PerCP-Cy5-5	214	53.02	667	11	0.0082	72	Pass
Blue	A	PE-Cy7	107	109.24	710	12	0.0100	23	Pass
Red	C	APC	381	25.48	587	3	0.0243	160	Pass
Red	A	APC-Cy7	175	28.24	559	3	0.0057	907	Pass
Violet	B	V450	65	60.65	461	3	0.0546	2368	Pass
Violet	A	V500	107	35.69	477	3	0.0223	966	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/14/2020 09:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.50	-32.07	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	16.58	13.60 - 20.40	N/A	N/A	29.37	29.96	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 9562

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments